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MAY 04 2009

Application No.: 10/553,206

Docket No.: 5060-0102PUS1

Amendment and Response to Holding of Lack of Unity and Election of Species Requirement

CLAIM AMENDMENTS

1-7. (Canceled)

8. (New) A system for use of fuel cells in case of load variations, comprising:
- a) at least one fuel cell;
 - b) at least one buffer for storage of surplus energy, arranged to function as a regulating system between the fuel cell and a energy consumption unit;
- wherein the system further comprises:
- c) means for dumping energy which is required to be led out of the system when the buffer is full or according to need; and
 - d) means for transforming the energy stored in the buffer to a required form of energy, at greater energy need than the fuel cell can meet, or for transforming of energy which is not used and which shall be stored in another form, or for transforming of energy stored in the buffer which shall be dumped in another form.
9. (New) The system in accordance with claim 8, wherein the buffer is a pressure boiler with fluid.
10. (New) The system in accordance with claim 8, wherein the means for dumping is a steam exhaust.
11. (New) The system in accordance with claim 8, wherein the means for dumping is a heating element for heat exchange.
12. (New) The system in accordance with claim 8, wherein the system further comprises a water-steam circuit, which serves for storage and conversion of energy.

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13. (New) The system in accordance with claim 8, wherein the system further comprises a subsystem with a boiler for heat recovery and additional heating.
14. (New) The system in accordance with claim 8, wherein the system further comprises a subsystem with a steam-condensate circuit with a steam turbine.
15. (New) A method for use of fuel cells in case of load variations, comprising:
- a) at least one fuel cell;
 - b) at least one buffer for storage of surplus energy, arranged to function as a regulating system between the fuel cell and a energy consumption unit;
 - c) means for dumping energy which is required to be led out of the system when the buffer is full or according to need;
- the method comprising the following steps:
- storing energy which is produced by said fuel cells, and which is not used by the system, in said buffer;
 - using energy stored in said buffer at the need for more energy in said system than the fuel cell can deliver momentarily; and
 - dumping energy which can not be stored in said buffer, or which is required to be removed momentarily, by said dumping means.
16. (New) A method for use of fuel cells in case of load variations, comprising:
- a) at least one fuel cell;
 - b) at least one buffer for storage of surplus energy, arranged to function as a regulating system between the fuel cell and a energy consumption unit;
 - c) means for dumping energy which is required to be led out of the system when the buffer is full or according to need;
- the method comprising the following steps:

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- storing energy which is produced by said fuel cells, and which is not used by the system, in said buffer;
- using energy stored in said buffer at the need for more energy in said system than the fuel cell can deliver momentarily;
- dumping energy which can not be stored in said buffer, or which is required to be removed momentarily, by said dumping means; and
- converting energy which is required in another form by a converter means.

17. (New) A method for use of fuel cells in case of load variations, comprising:

- a) at least one fuel cell;
- b) at least one buffer for storage of surplus energy, arranged to function as a regulating system between the fuel cell and a energy consumption unit;
- c) means for dumping energy which is required to be led out of the system when the buffer is full or according to need;

the method comprising the following steps:

- storing energy which is produced by said fuel cells, and which is not used by the system, in said buffer;
- using energy stored in said buffer at the need for more energy in said system than the fuel cell can deliver momentarily;
- dumping energy which can not be stored in said buffer, or which is required to be removed momentarily, by said dumping means; and
- transporting energy which is required to be transported to another part of the system by a subsystem.